2 0 2 4 Examining new issues for the year

Assignment 1 PLC circuit design

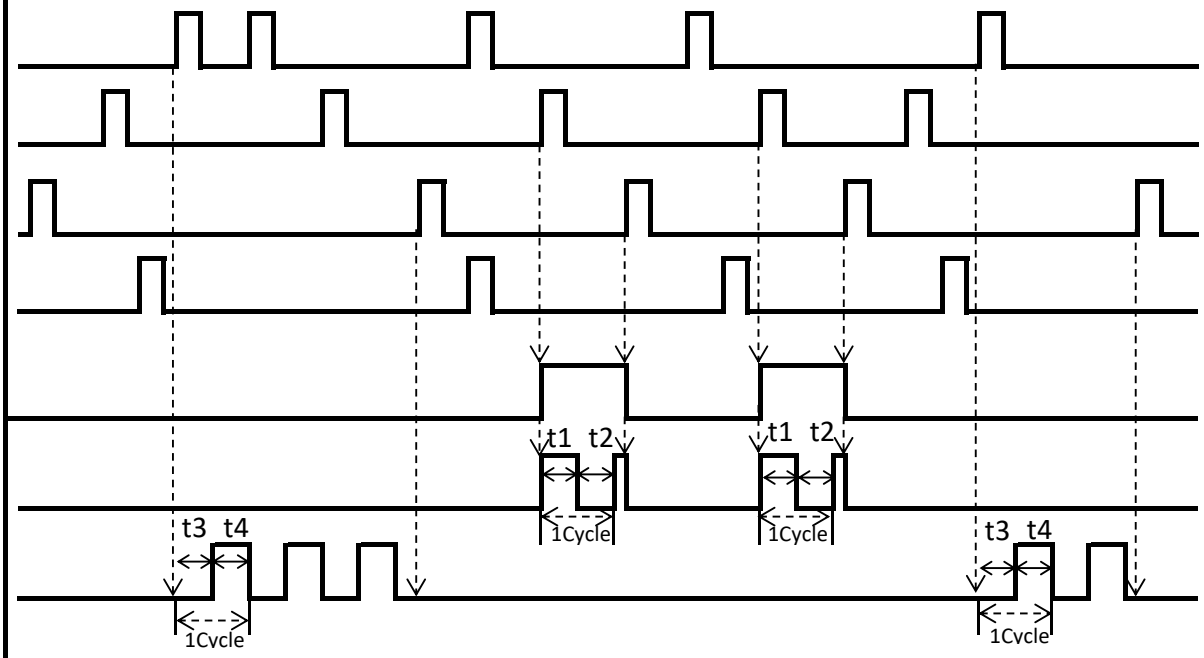
Maintenance Shop

Assignment 1 Steering Committee

Assignment content

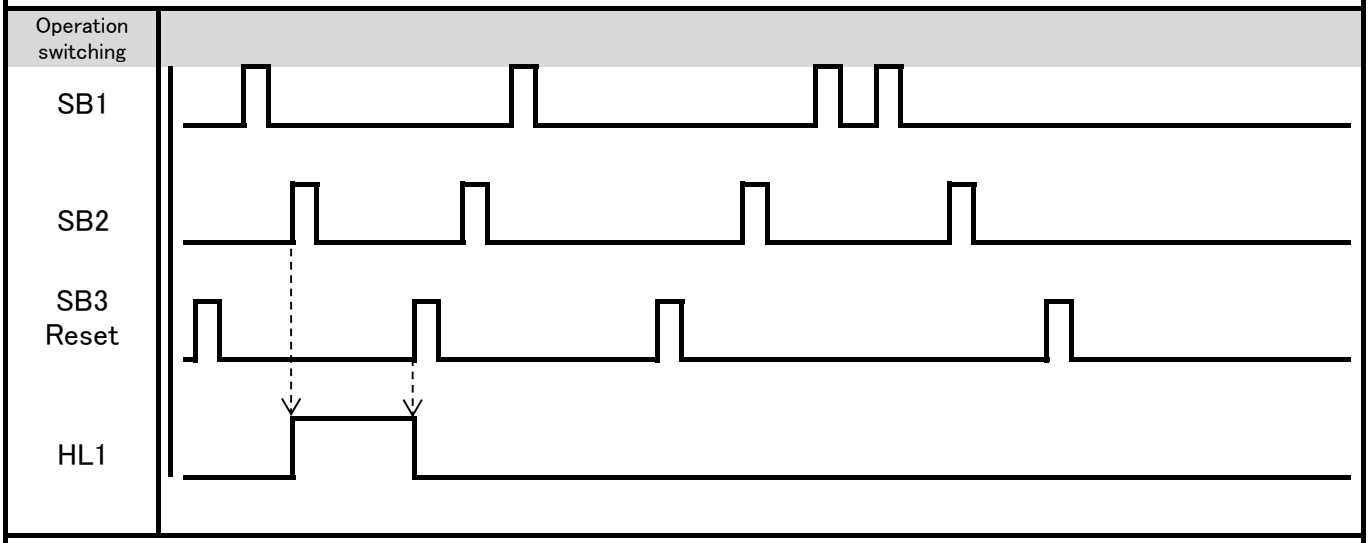
(1) Design the ladder circuit reference to the time chart.
(2) Follow the specifications and instructions (timer settings, count timing, etc.).
(3) Operate repeatedly (twice or more) according to the time chart.
Design ladder circuit after the final circuit, and Do not modify the existing circuit such as the lamp check circuit.
※ Buttons are SB1 (X000), SB2 (X001), SB3 (X002), SB4 (X003); Lamps are HL1 (Y010), HL2 (Y011), HL3 (Y012), HL4 (Y013)
[TM] use only basic commands (application commands cannot be used), but edge detection (P) can be used.
[TL] Basic and application commands can be used (no restrictions)
Complete data reading and writing with FL-NET communication destinations.
For communication settings, refer to the FL-NET communication area diagram

Input/ Output	Time Chart
PLC Board	t1=t2=t3=1S t4=2S
SB1	
SB2	
SB3 Reset	
SB4 (For TL)	
HL1	
HL2	
HL3	
HL4	

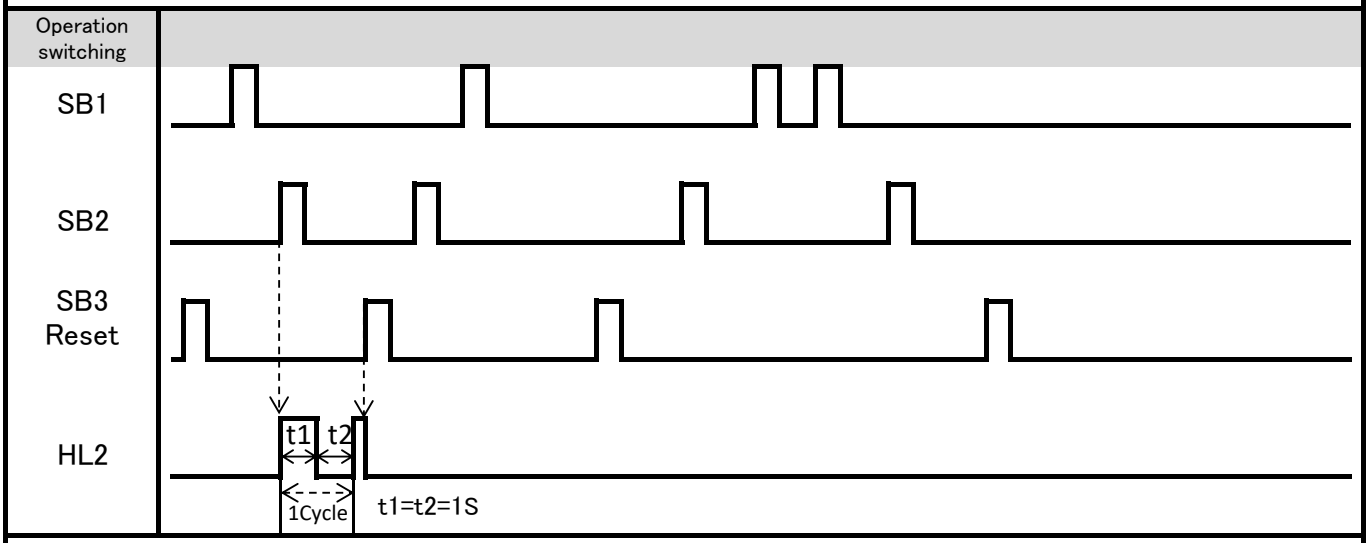


Specification instructions (Being able to operate repeatedly. No need to consider HL other than instructions)

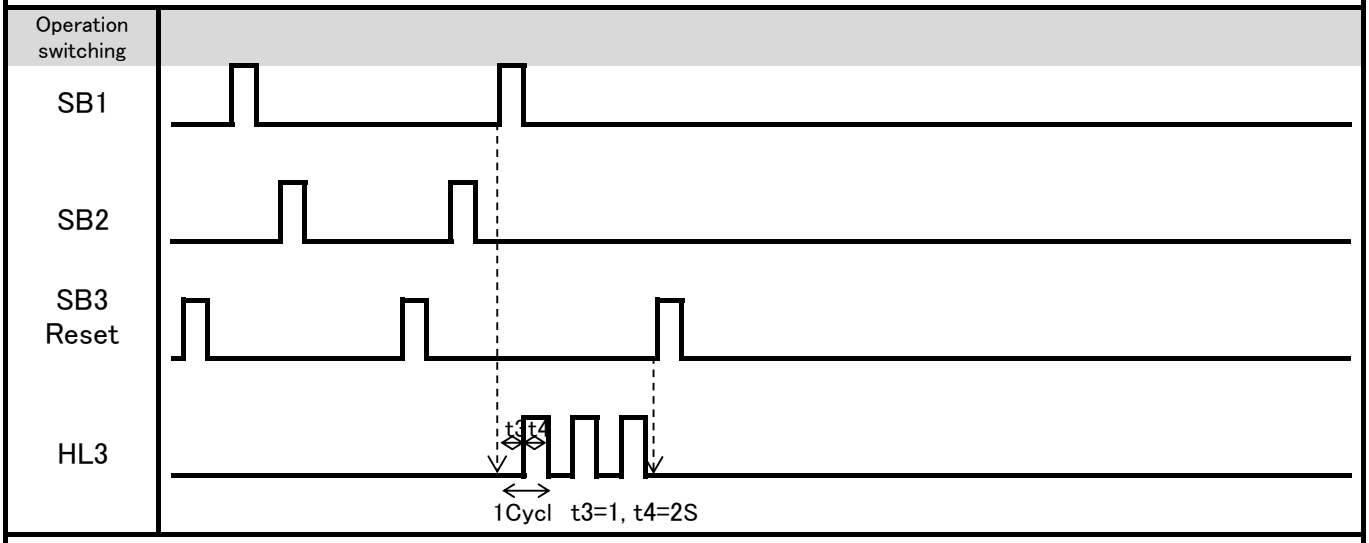
【HL1】Specification check cycle chart



【HL2】Specification check cycle chart



【HL3】Specification check cycle chart



Applied problem [Multi-sequence] Specification check

peration switching	There is no relation to actions ① and ②.

Prepared Edy Kozwara 7/5/2024